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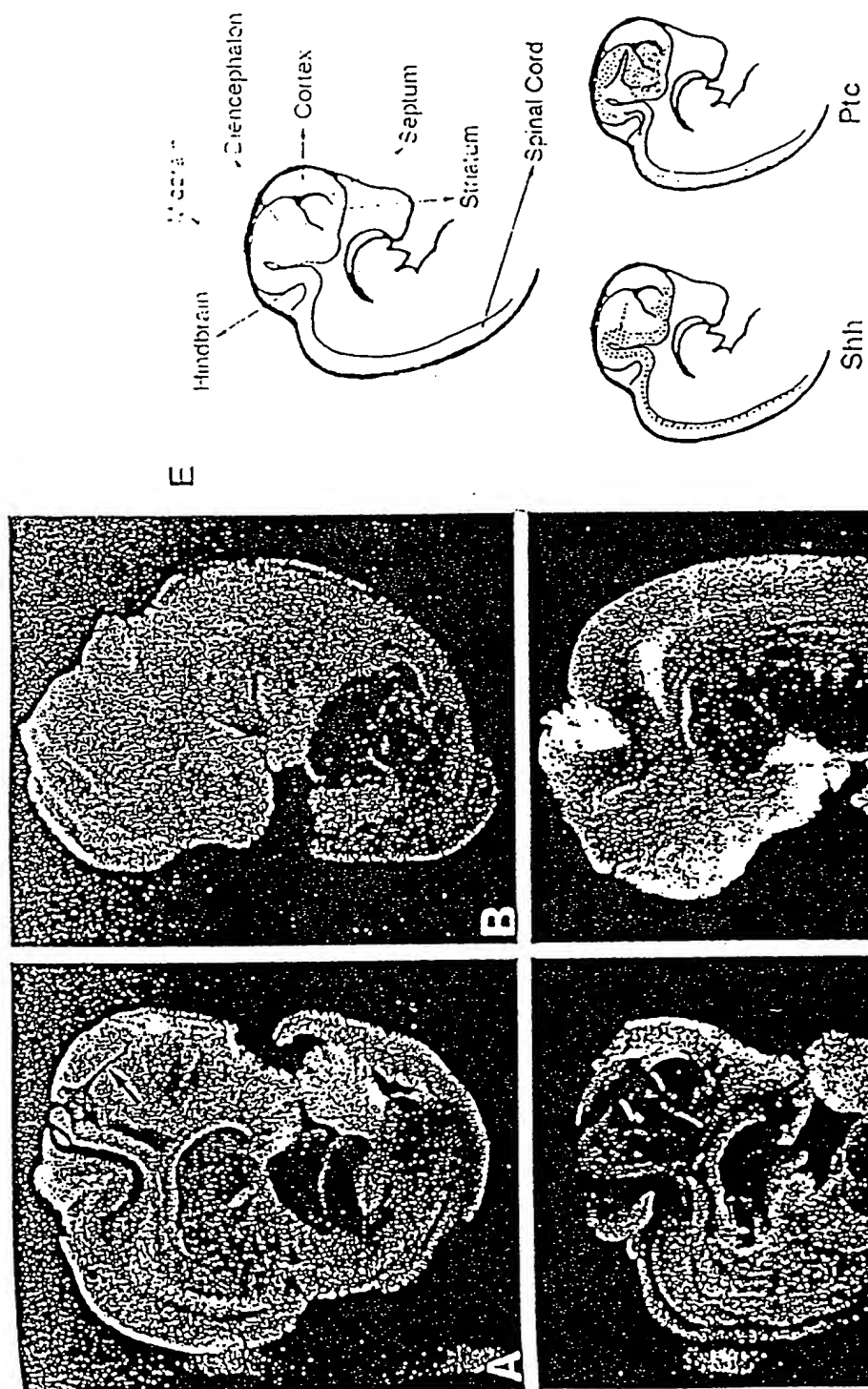
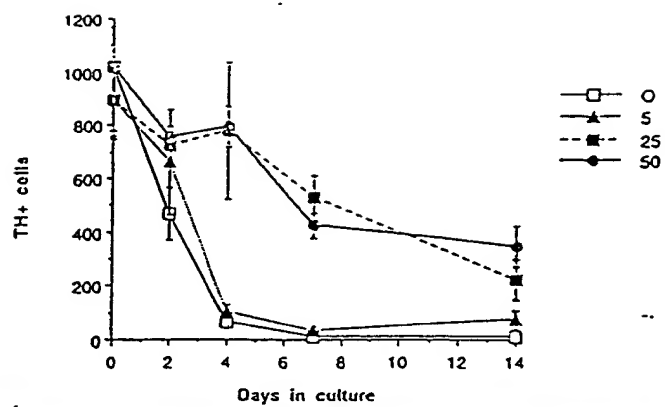


FIG. 1

09353260



A

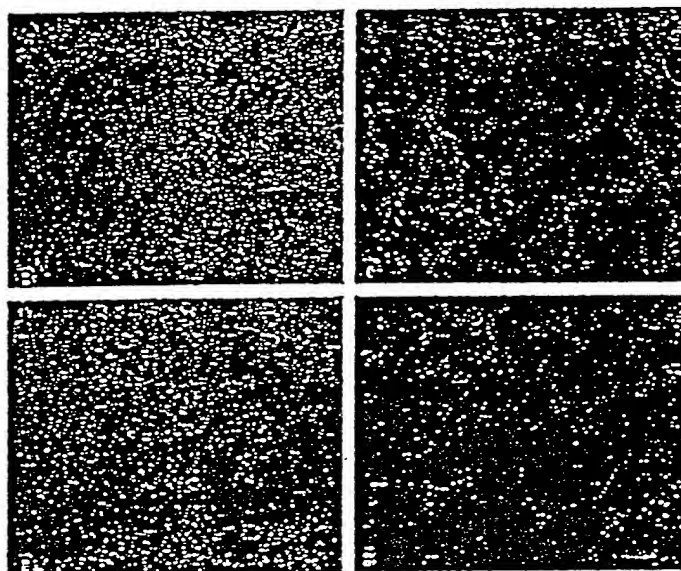
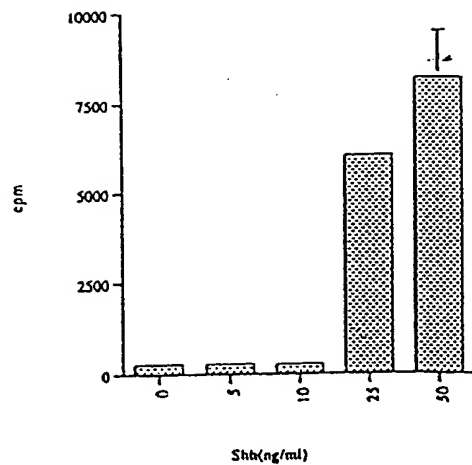
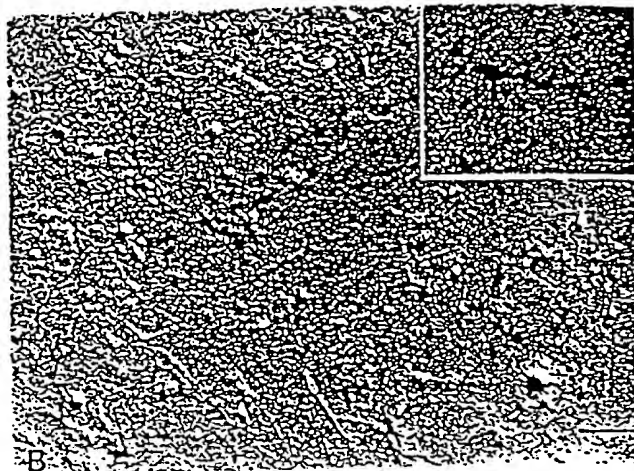


FIG. 2



A



B

FIG. 3

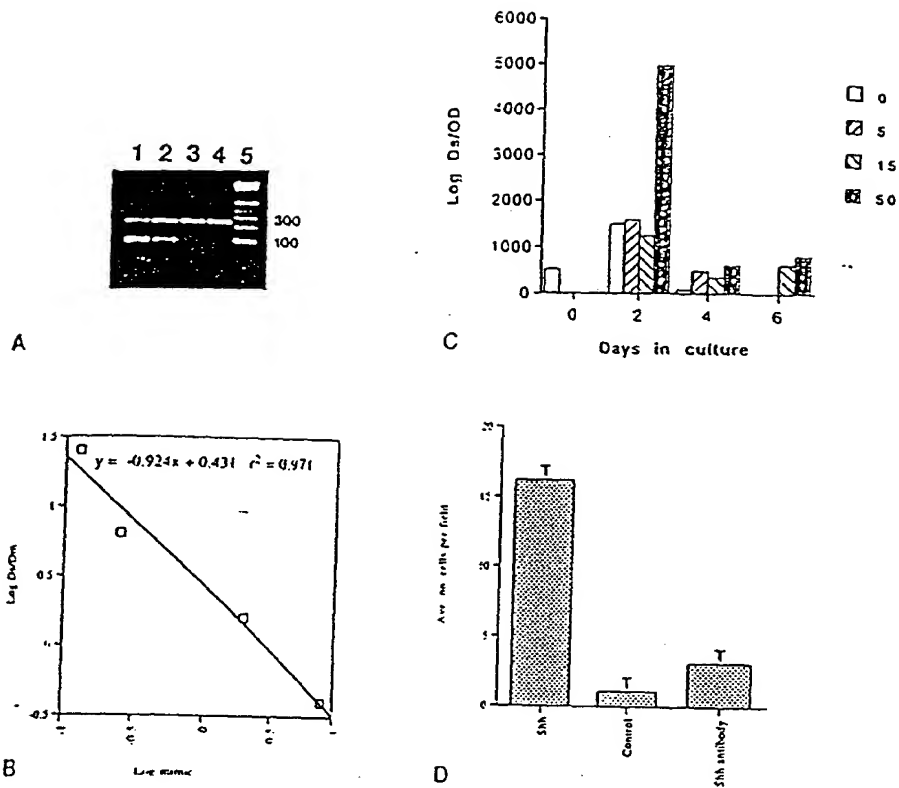
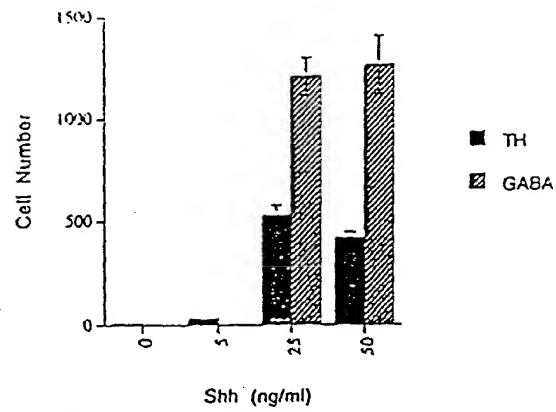
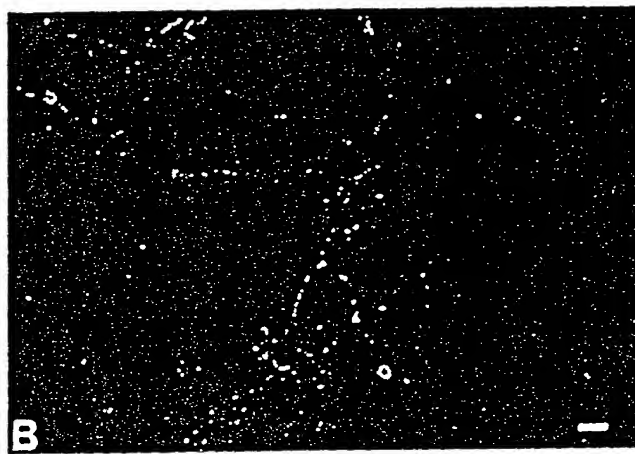


FIG. 4



A



B

FIG. 5

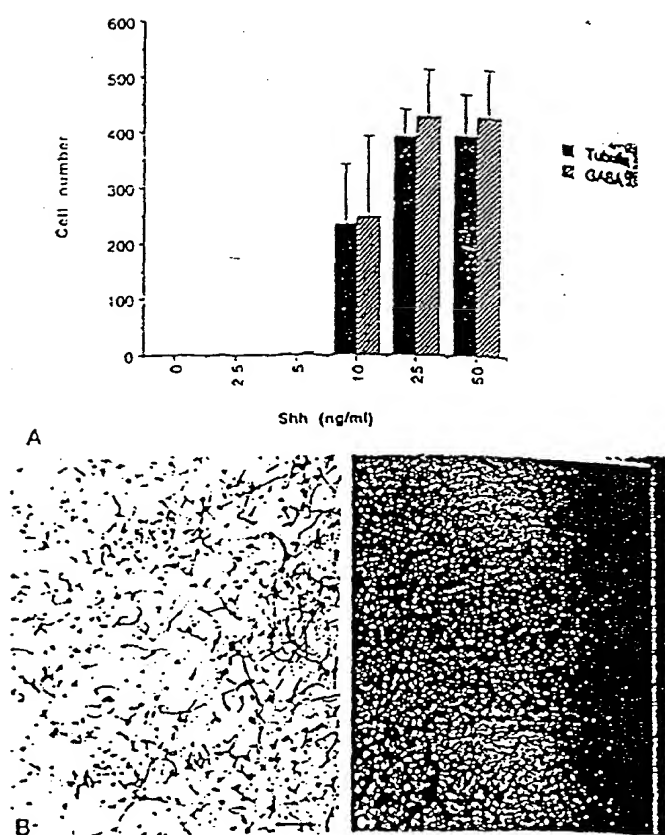


FIG. 6

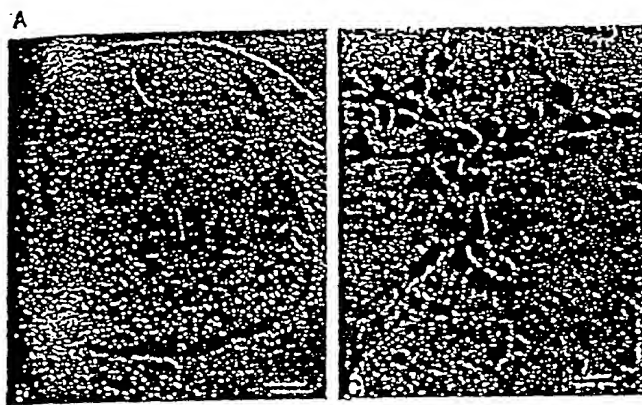
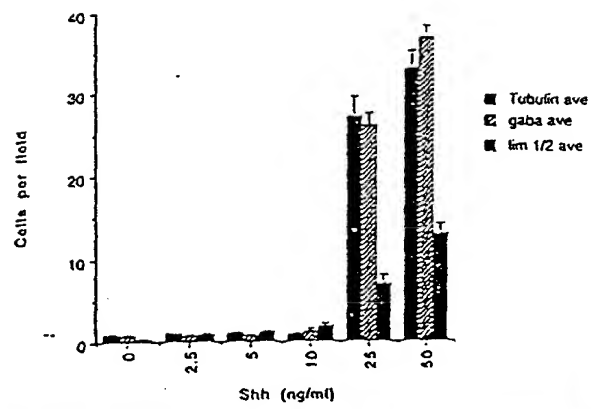


FIG. 7

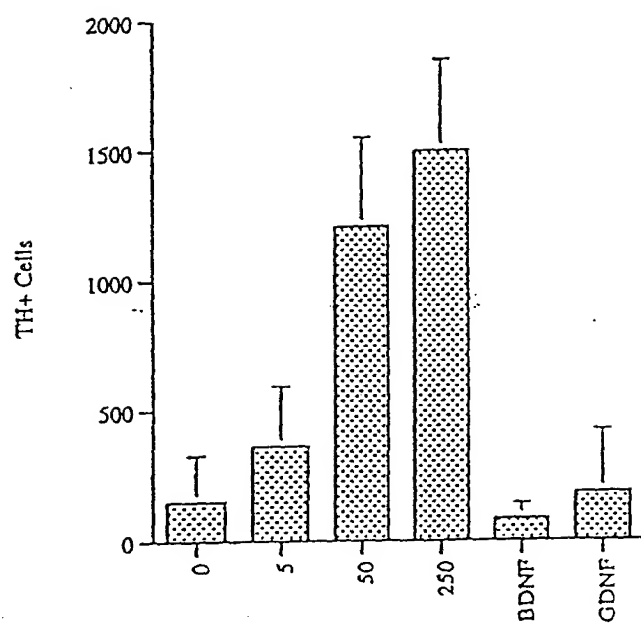


FIG. 8

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% Decrease in Rotations:
3 weeks post-lesion vs. 3 weeks post-Shh treatment

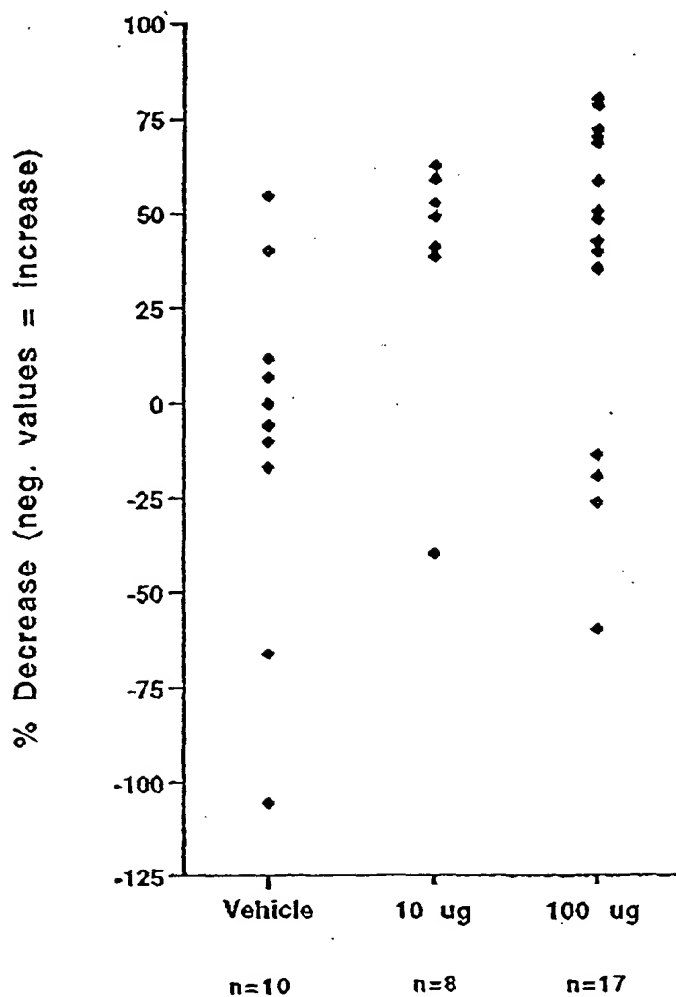


FIG. 9

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**Shh Effects on Apomorphine-Induced
Rotational Behavior in Stably Lesioned
Fisher 344 Rats**

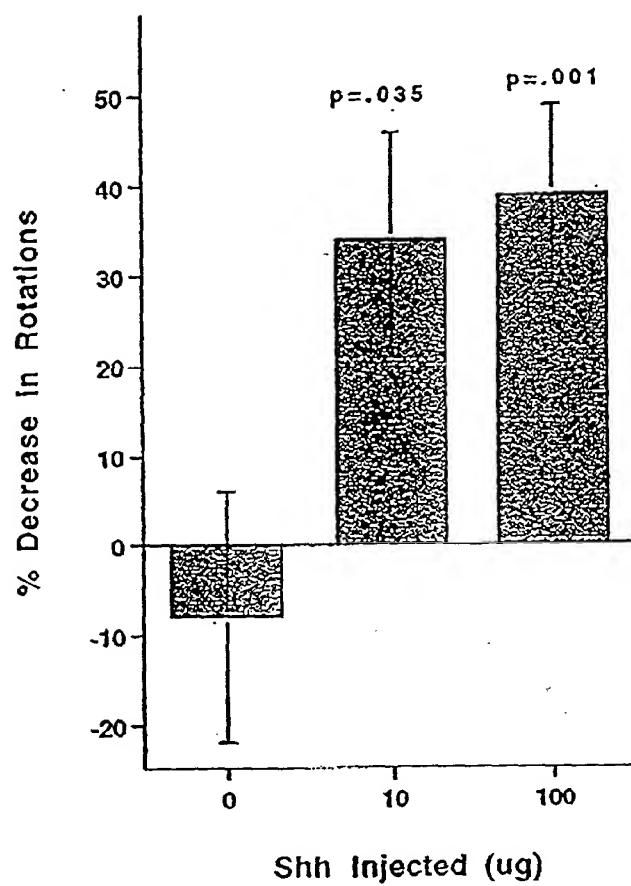


FIG. 10

FIG. 11A

Experiments 1 and 2 - Day 4 Amphetamine challenge

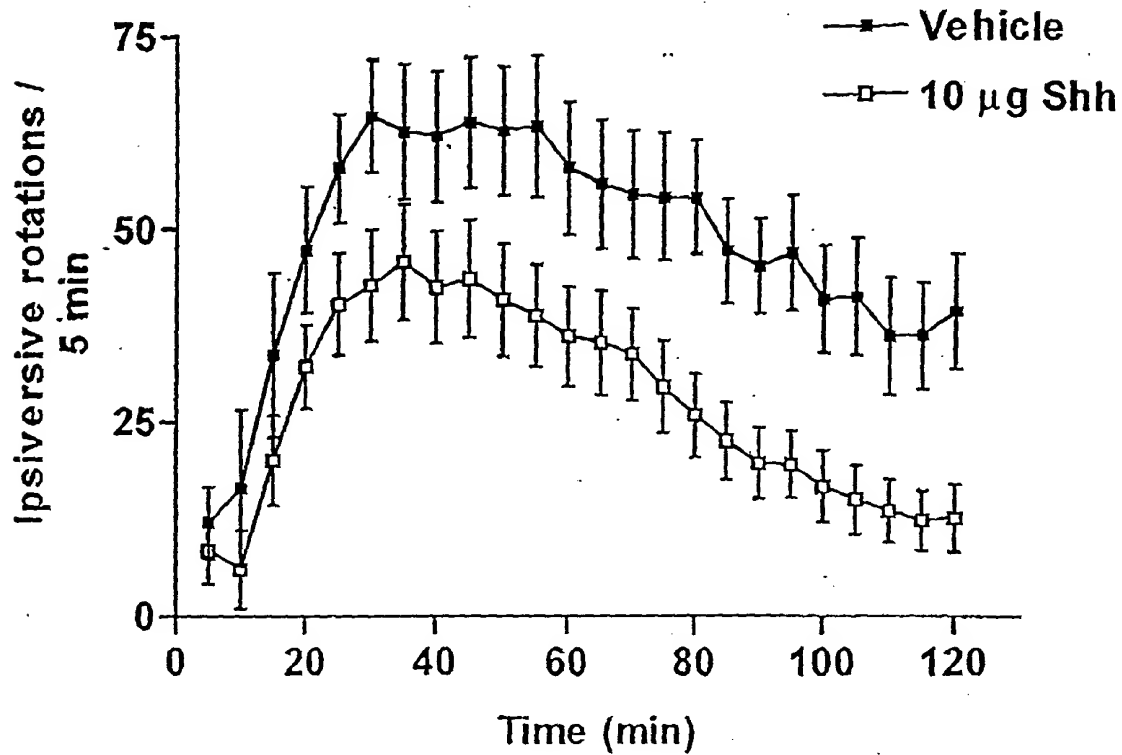
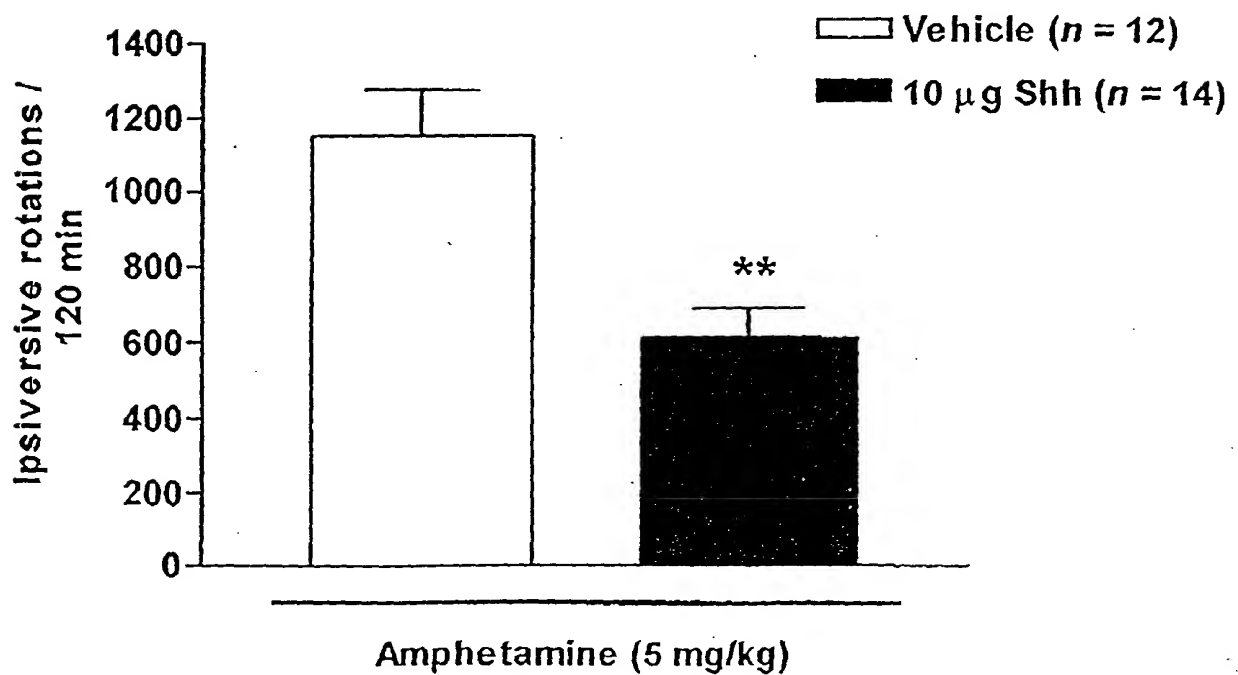


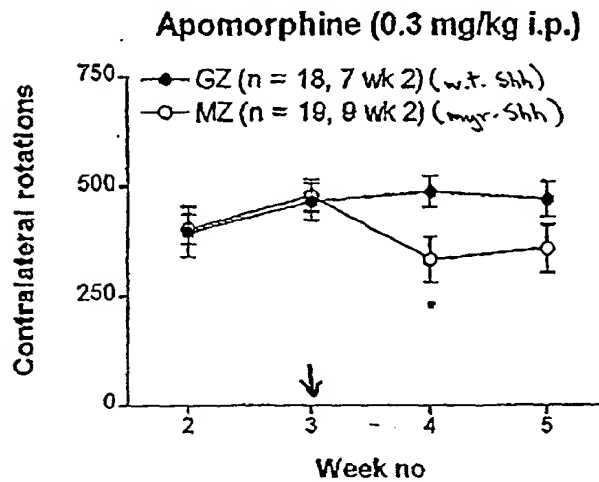
FIG. 11B



** $P < 0.01$ Student's *t* test

Total number of full rotations after apomorphine and amphetamine challenge throughout the study

FIG. 12A



* $P < 0.05$ (Unpaired Student's t test)

"↓" = time when Shh injected

FIG. 12B

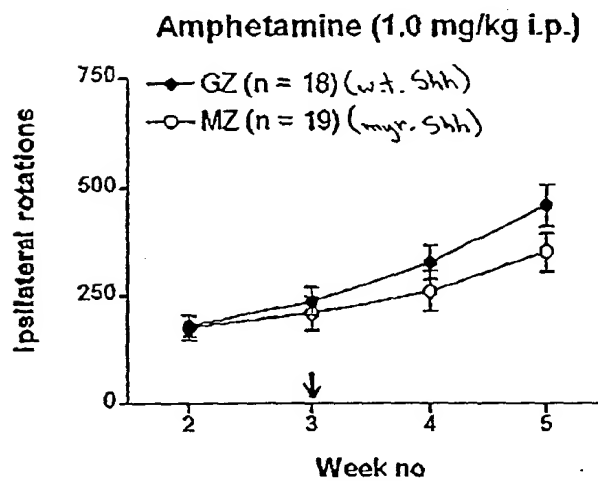


FIG. 13A

Rotation response to apomorphine (0.3 mg/kg i.p.)
over a 45 min period

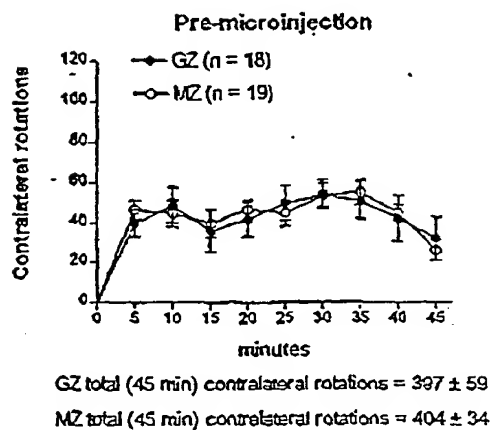


FIG. 13B

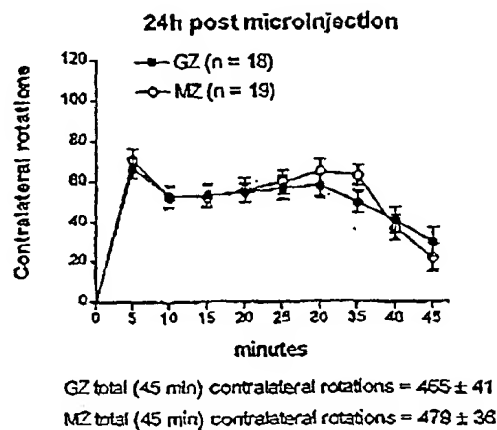


FIG. 13C

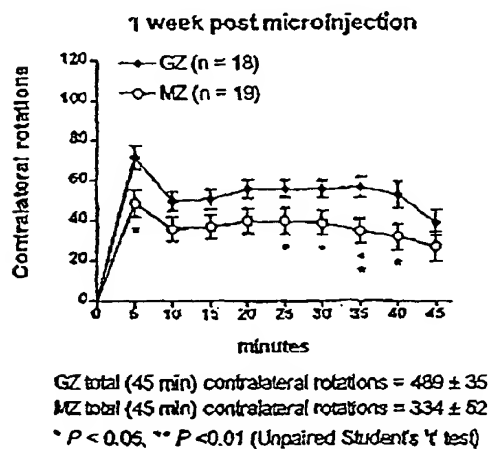
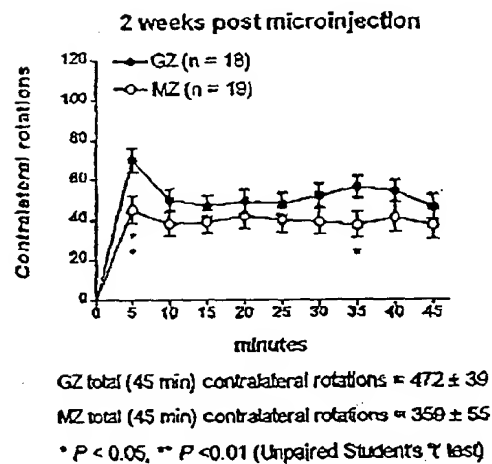


FIG. 13D



Experiment 4 - Day 4 Amphetamine challenge

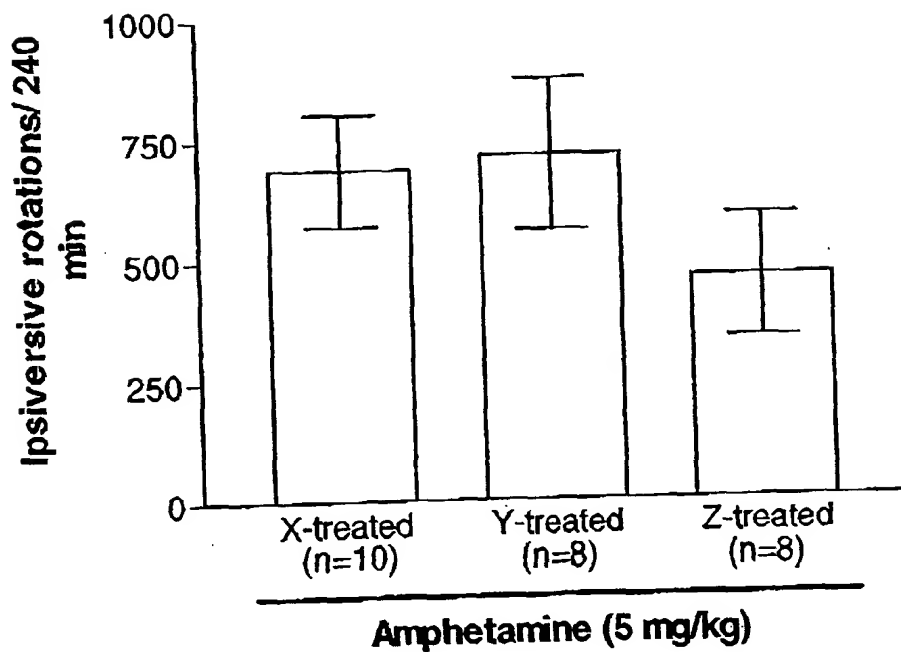
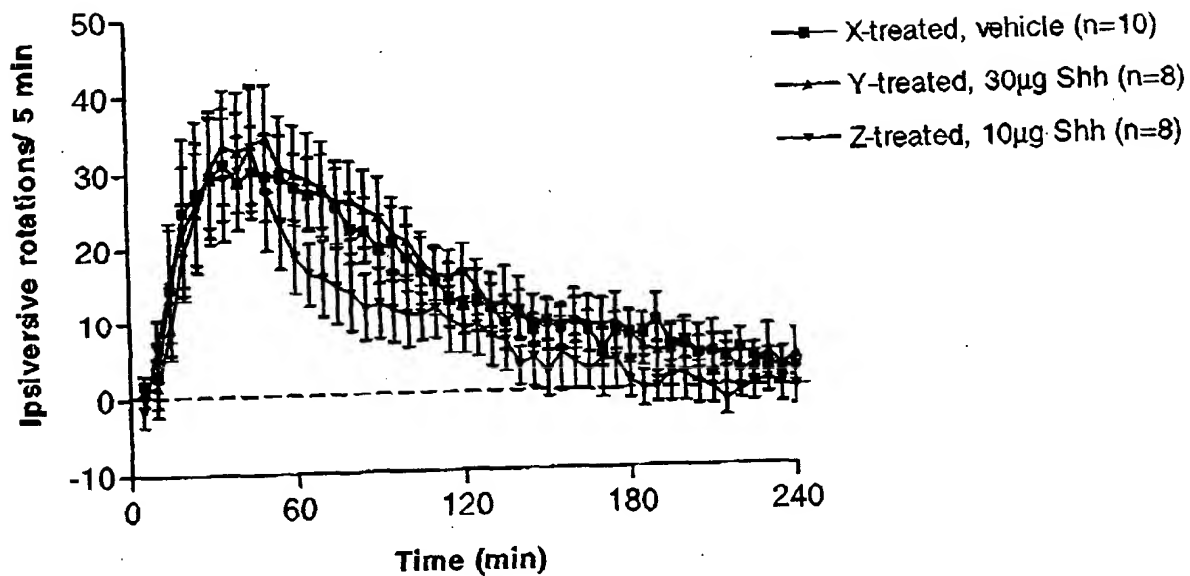


Figure 4A

Experiment 4 - Day 7 Amphetamin challenge

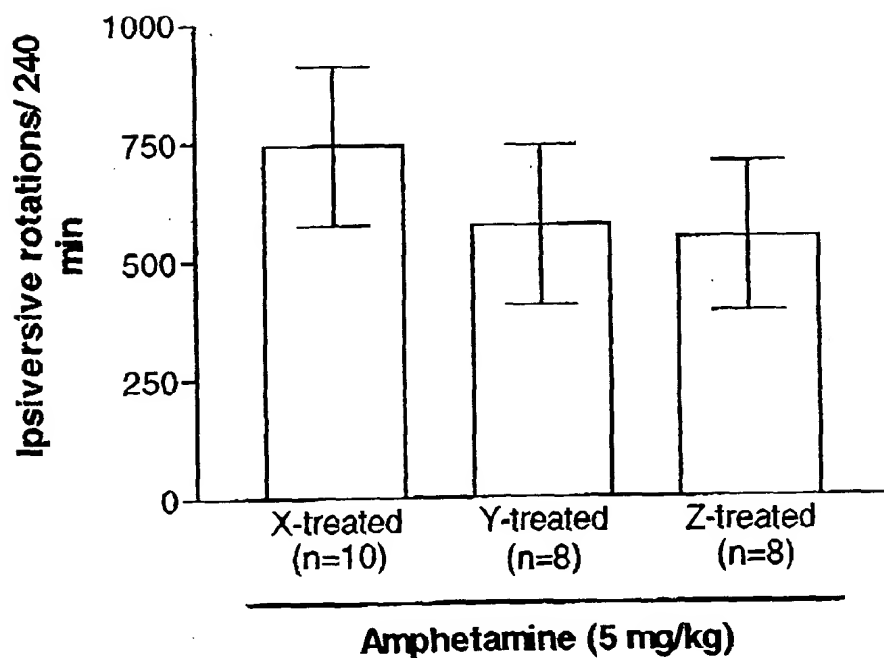
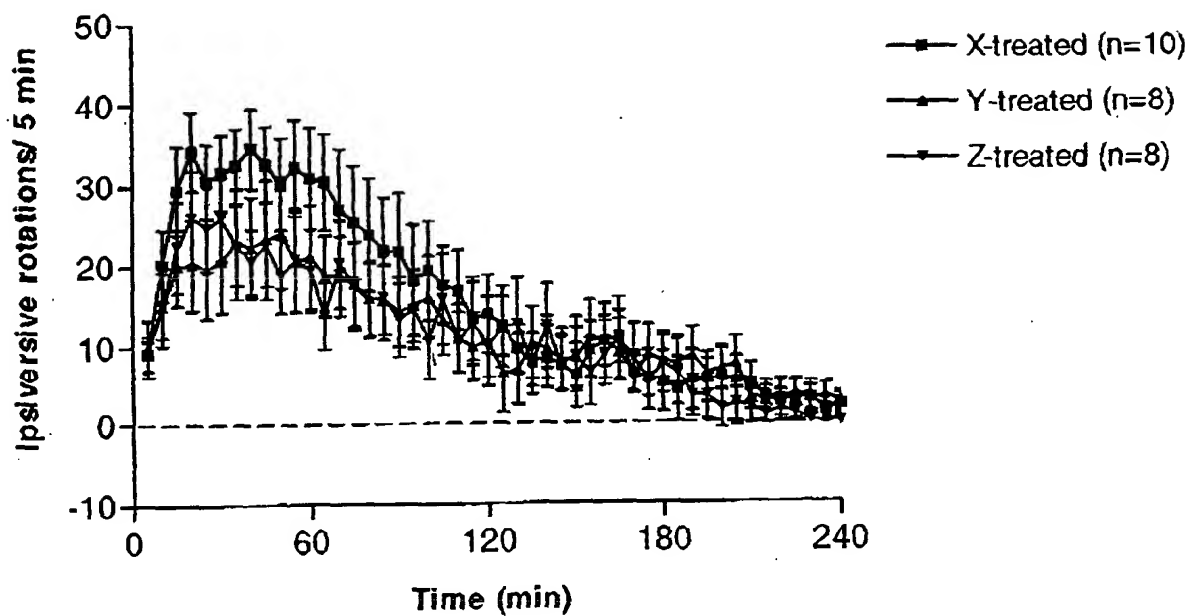


Figure 14B

Experiment 4 - Day 14 Amphetamine challenge

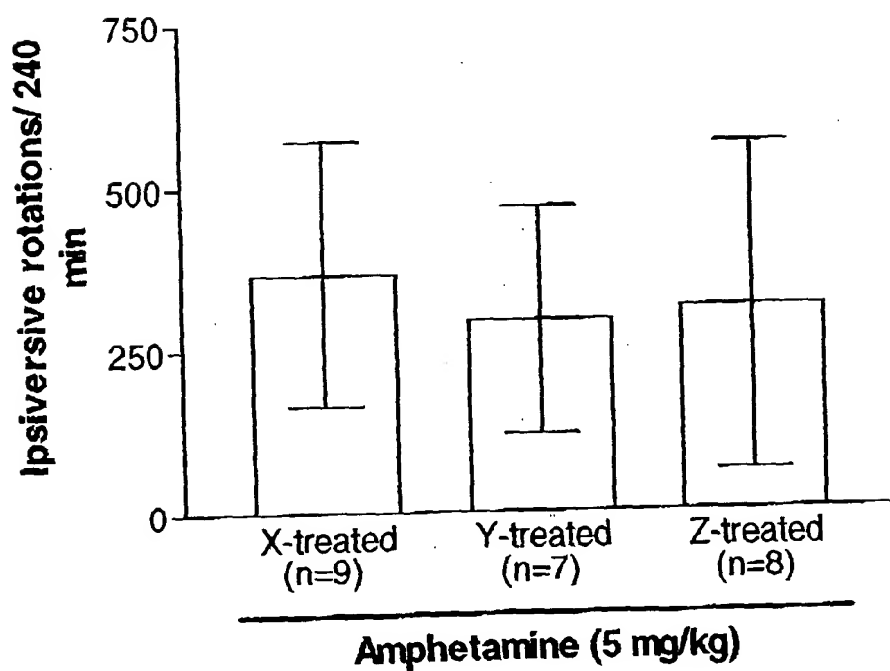
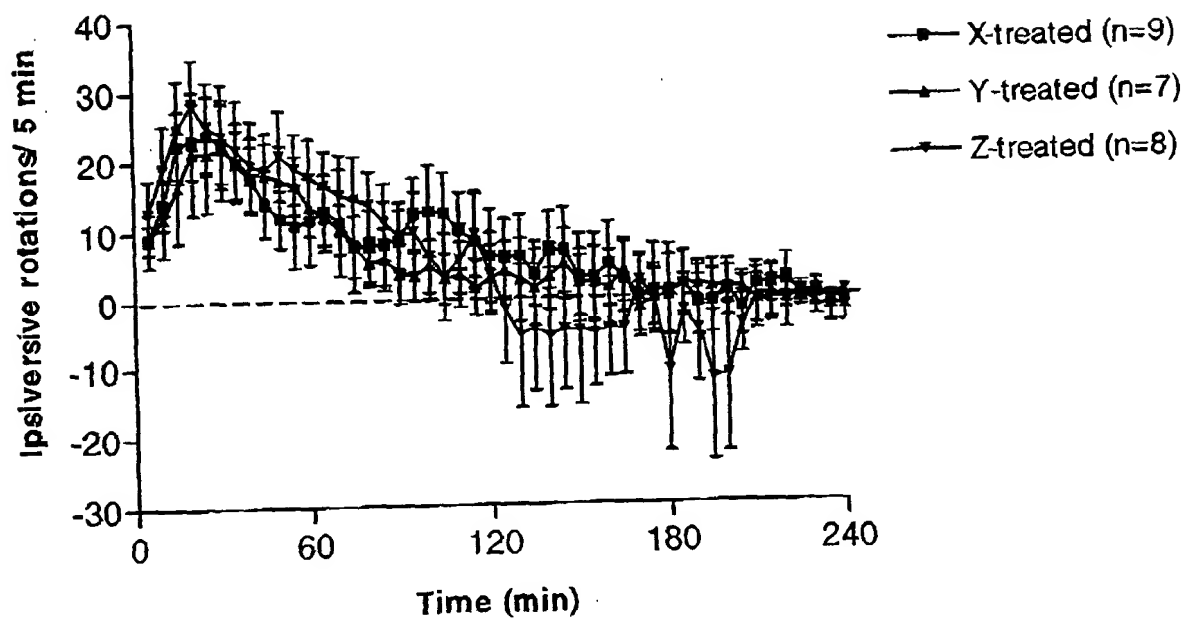


Figure 14C

Experiment 4 - Day 21 Amphetamine challenge

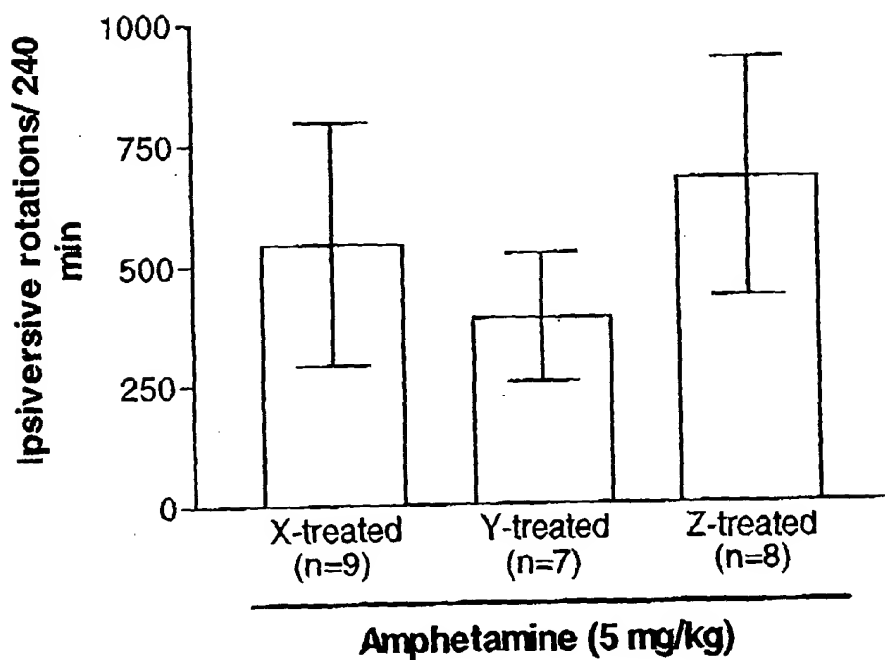
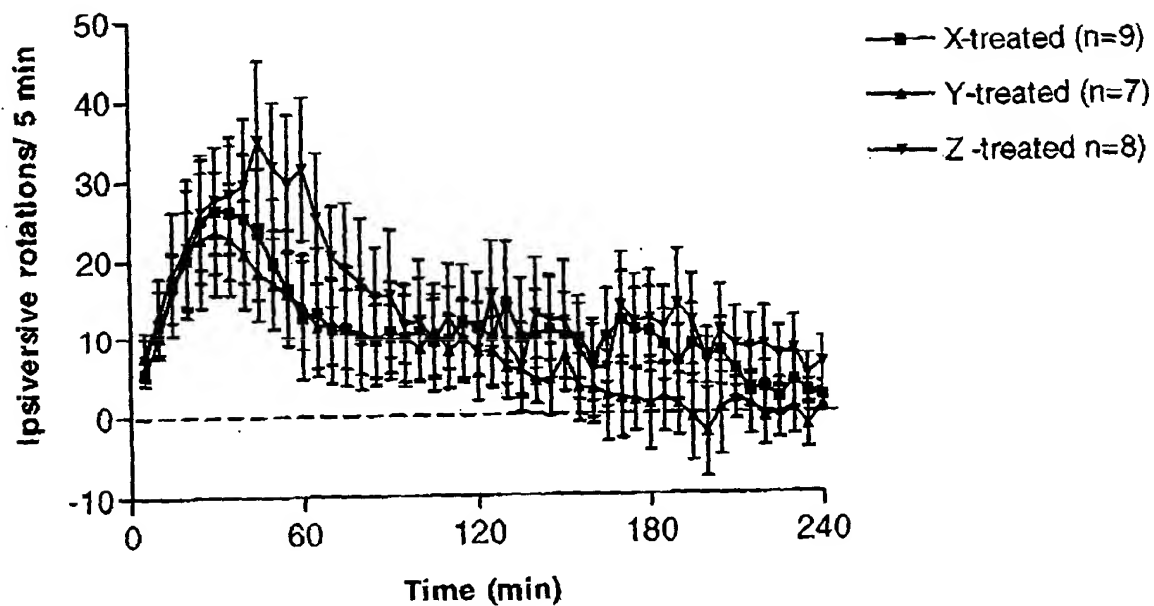
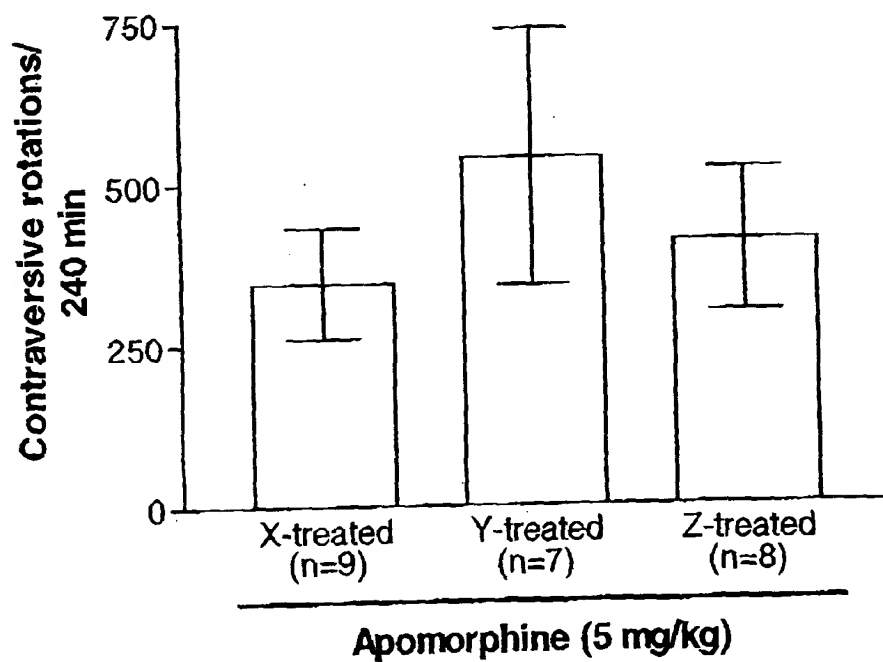
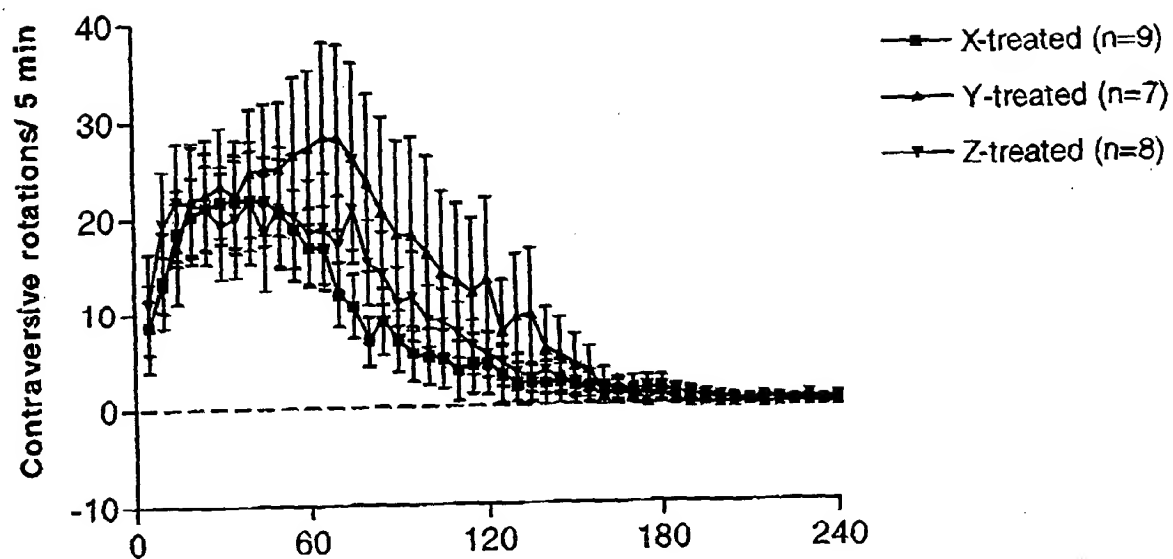


Figure 14D

Experiment 4 - Day 24 Apomorphine challenge



Apomorphine (5 mg/kg)

Figure 14E

Experiment 5 - Day 4 Amphetamine challenge

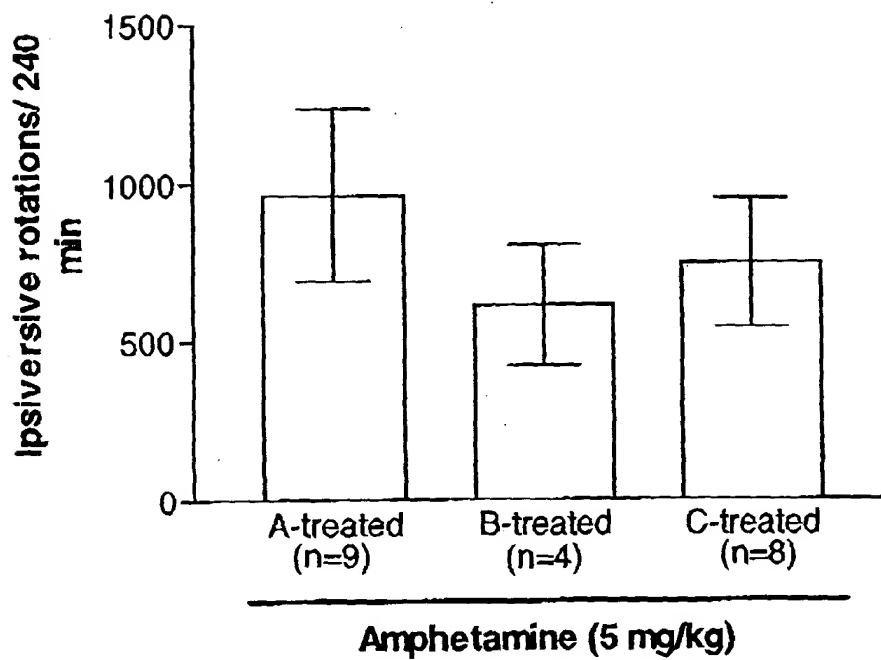
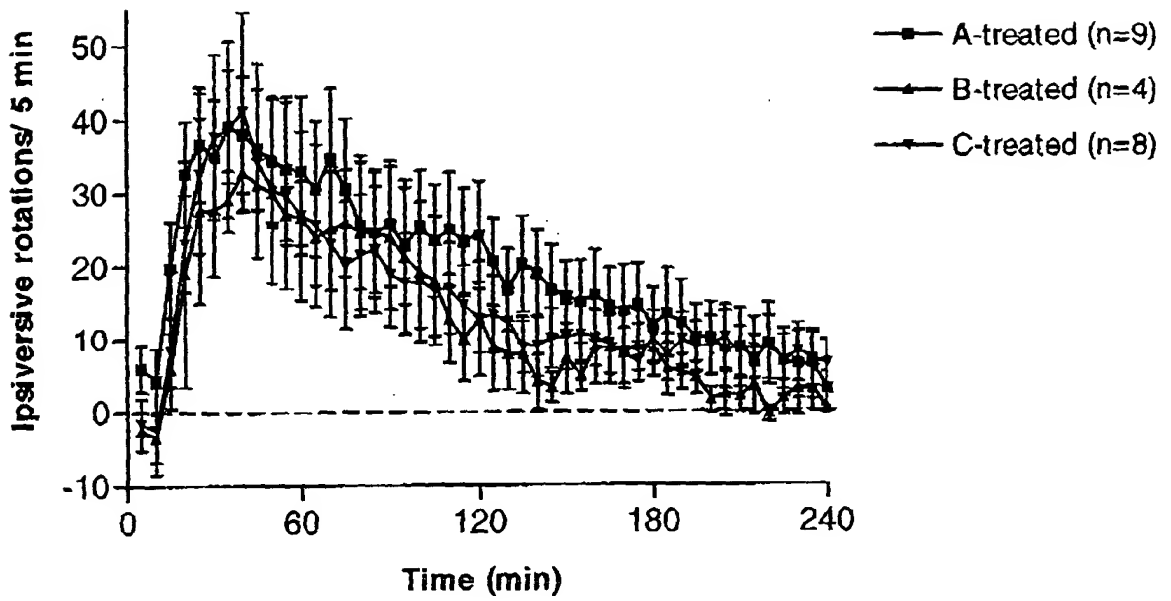
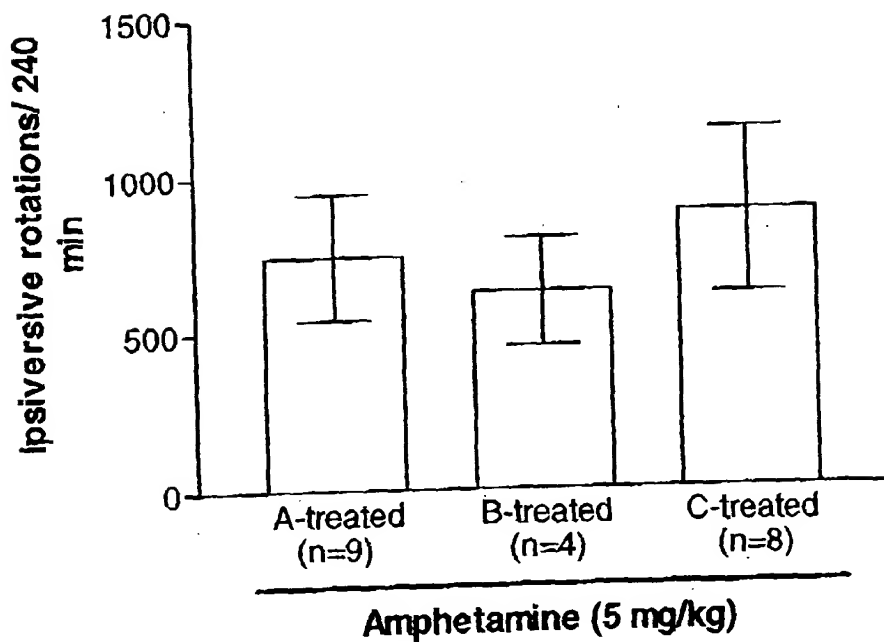
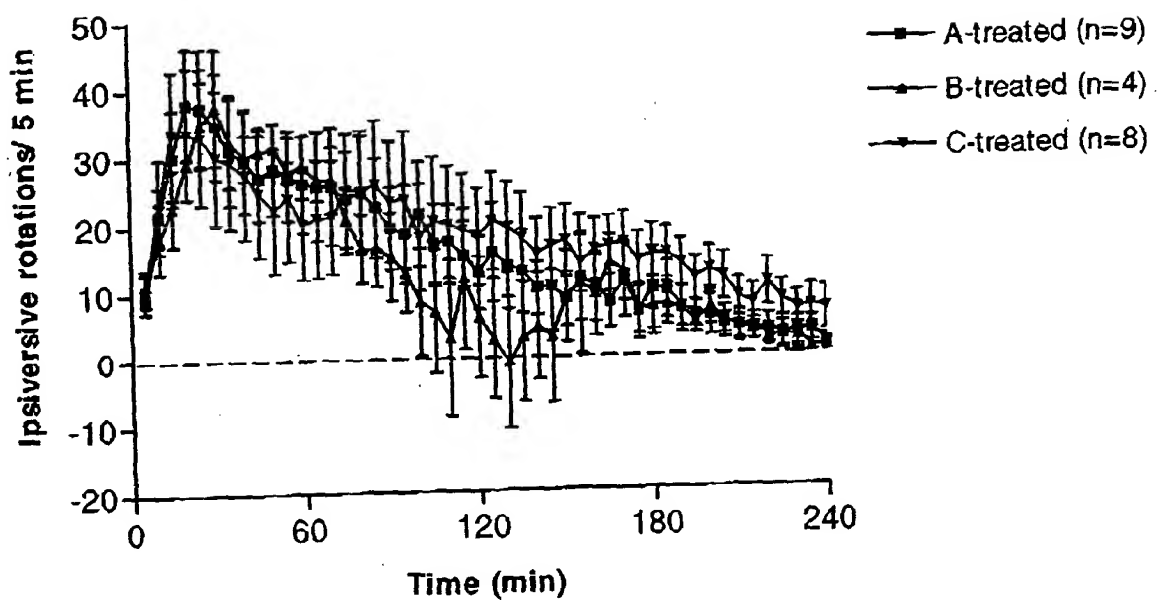


Figure 15A

Experiment 5 - Day 7 Amphetamine challenge



Amphetamine (5 mg/kg)

Figure 15b

Experiment 5 - Day 14 Amphetamine challenge

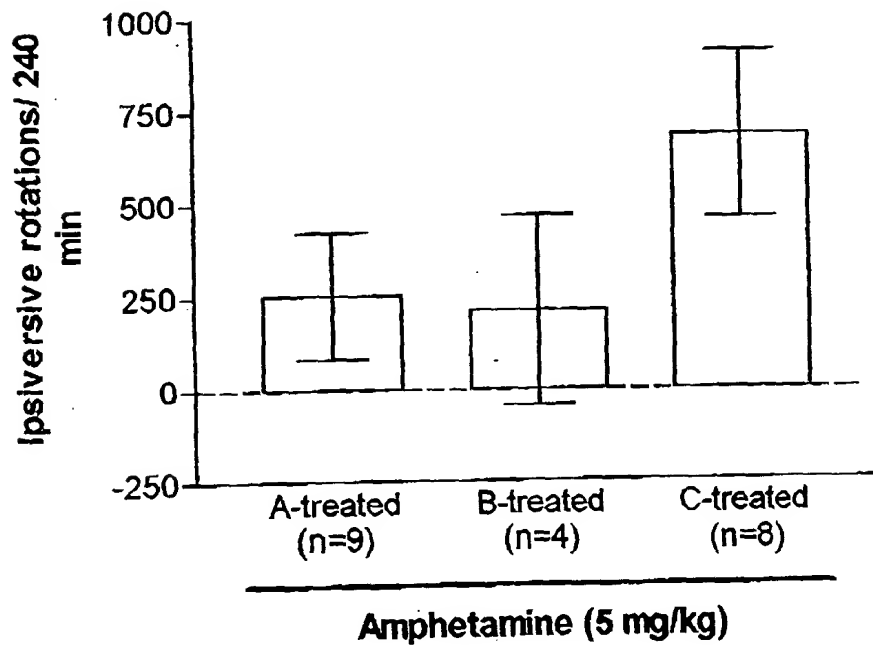
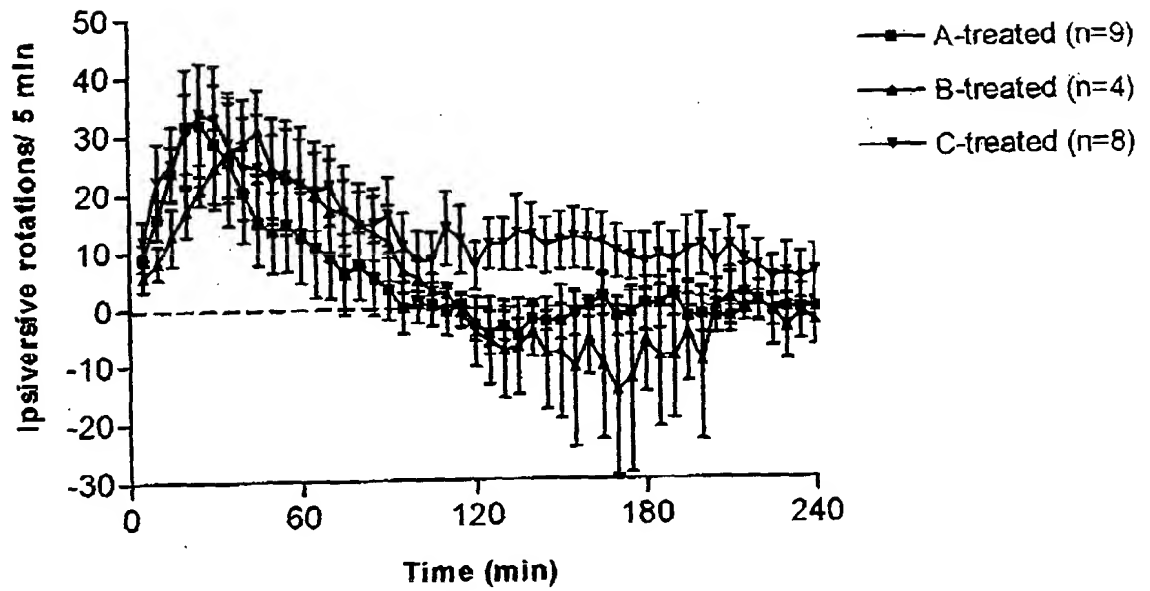
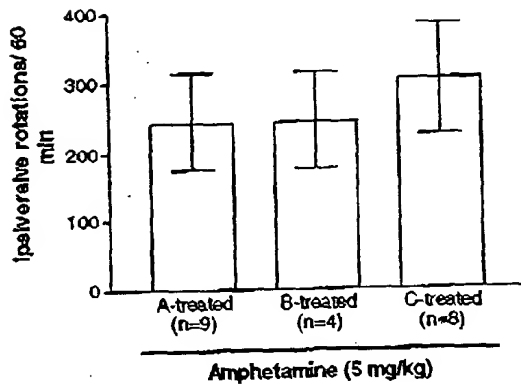


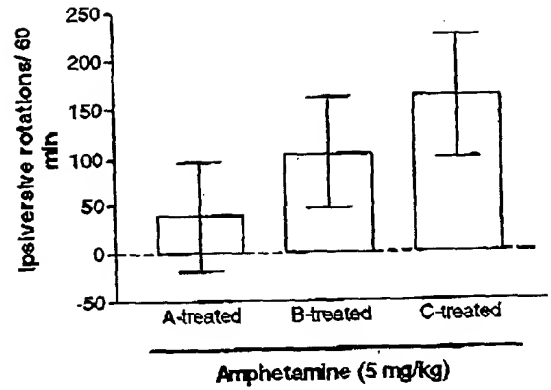
Figure 15c

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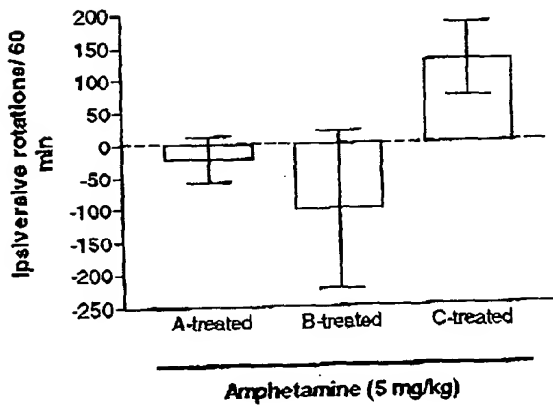
Experiment 5 - Day 14 Amphetamine challenge - 0-60 min.



Day 14 - 60-120 min.



Day 14 - 120-180 min



Day 14 - 180-240 min

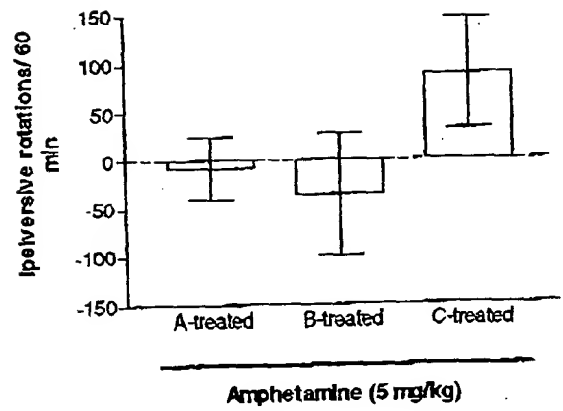


Figure 15D

Experiment 5 - Day 21 Amphetamine challenge

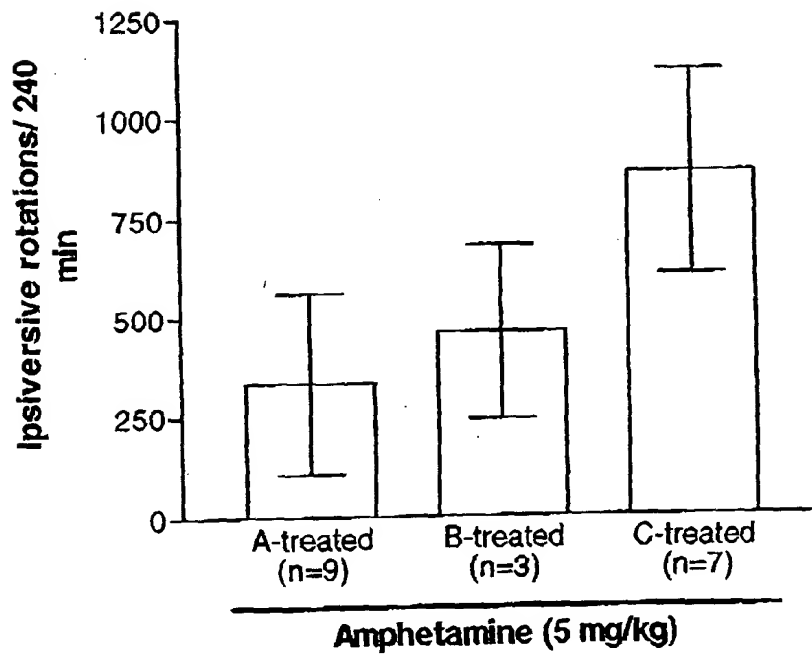
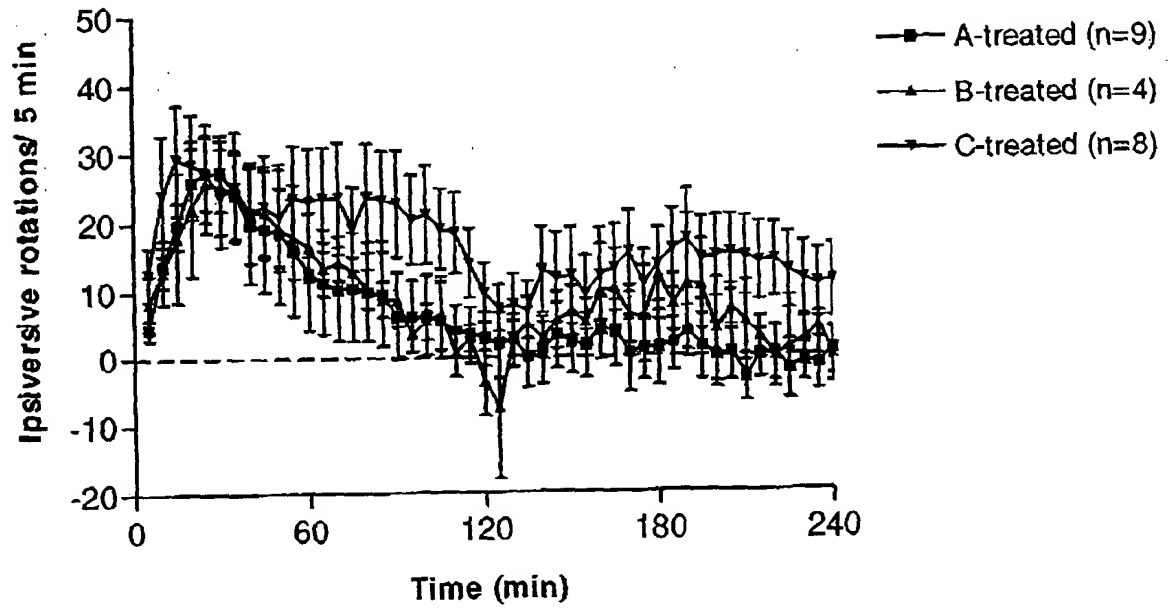


Figure 15E

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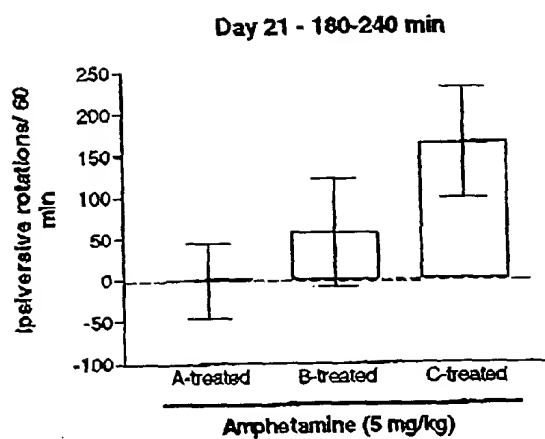
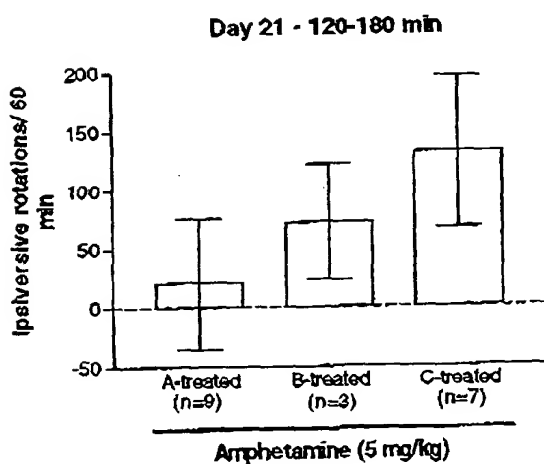
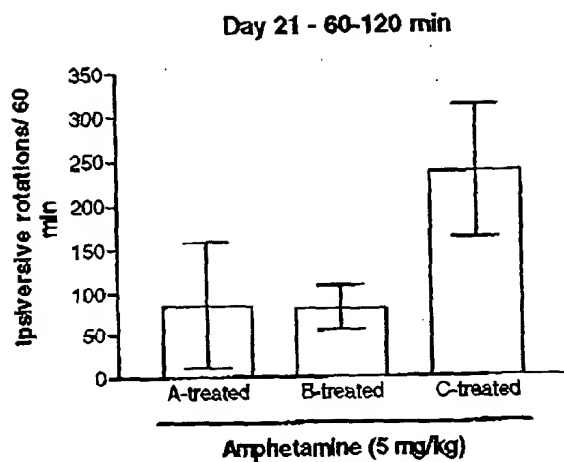
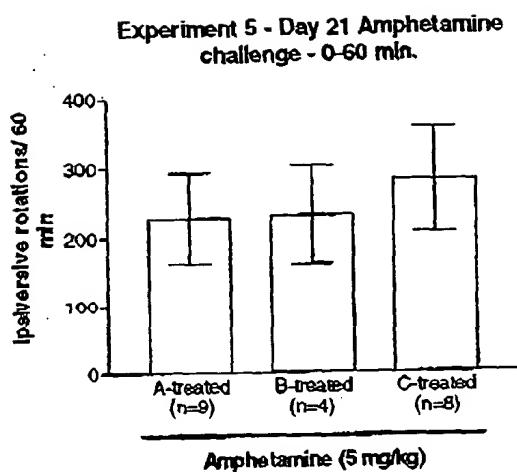


Figure 15F

Experiment 5 - day 24 Apomorphine challenge

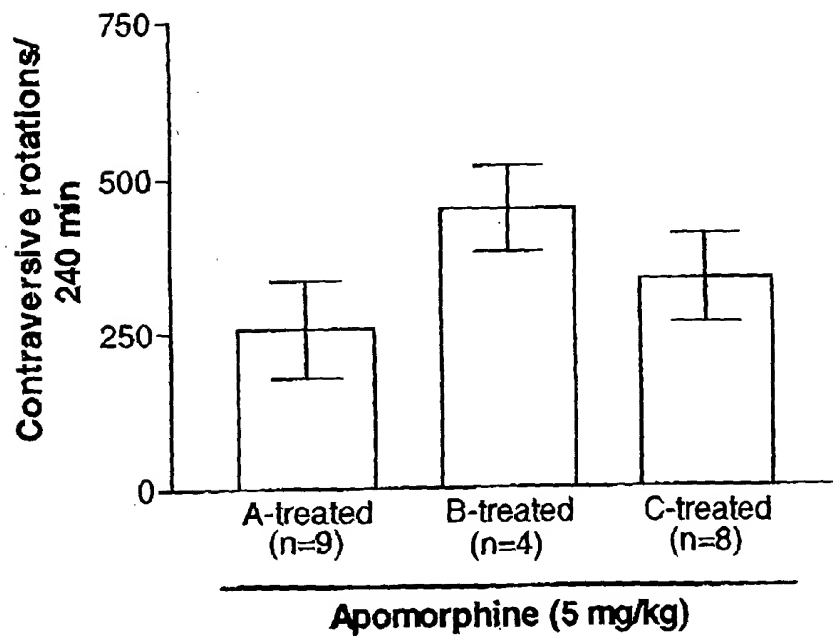
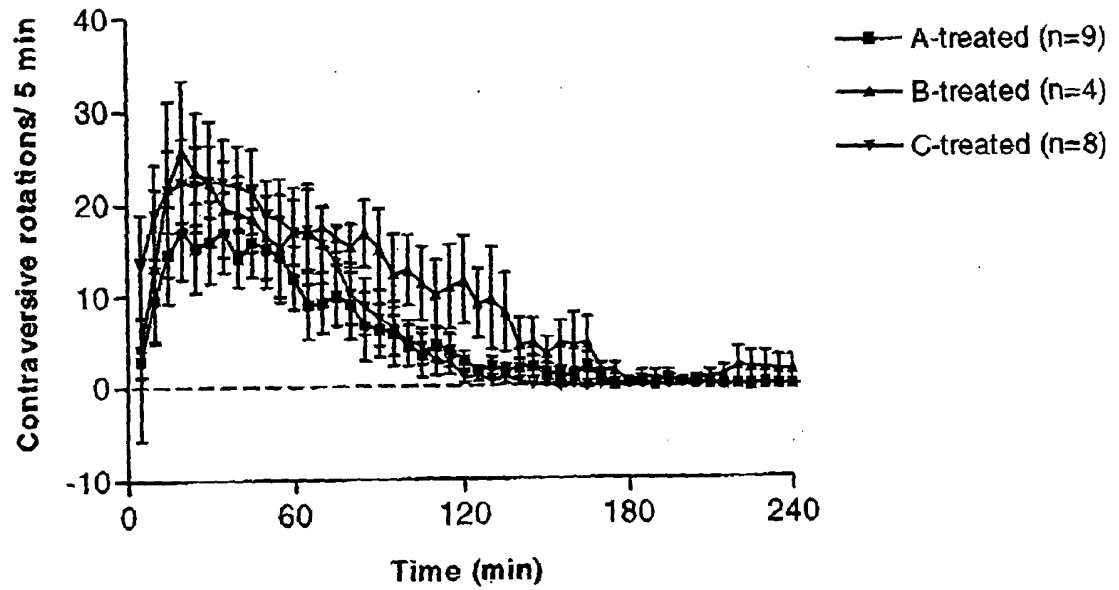


Figure 15G

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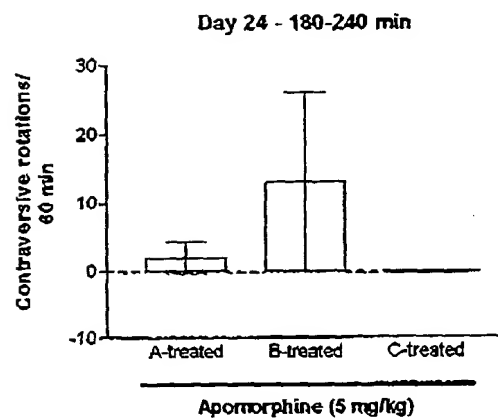
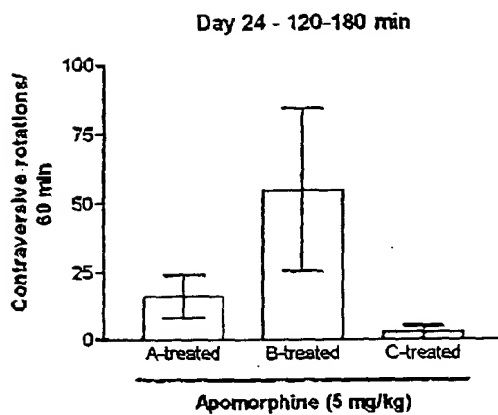
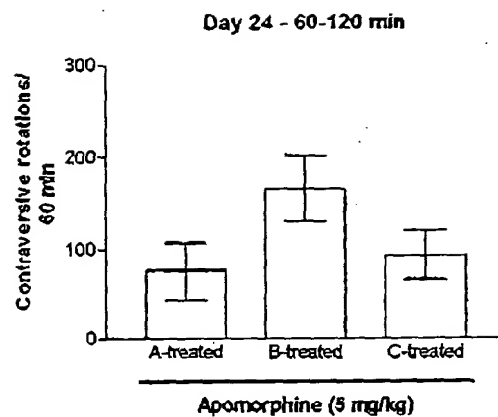
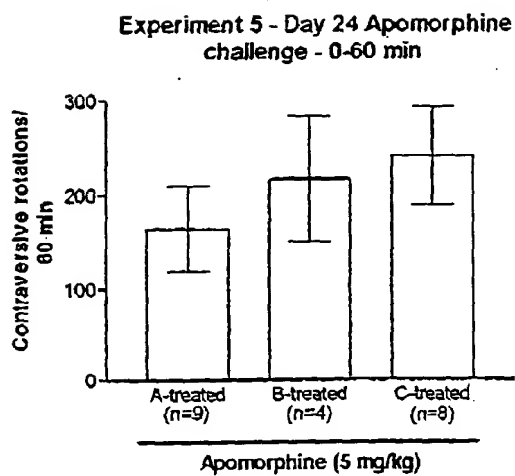


Figure 15H

Effect of intranigral Shh-M on amphetamine rotation: Brotchie

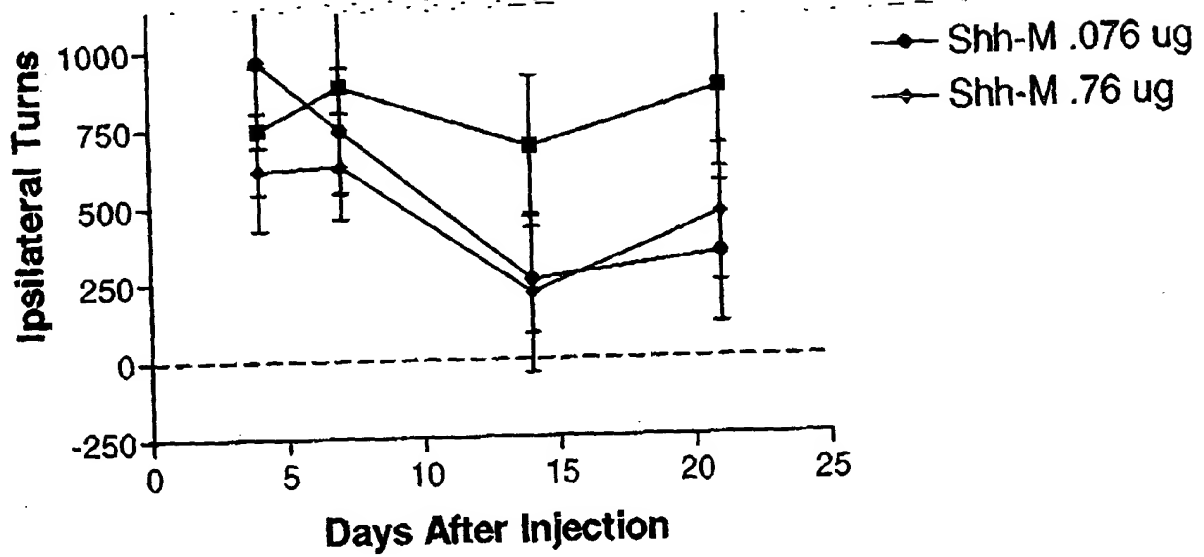


Figure 16

Figure ~~16~~ 17

**Dose response for hedgehog
protein constructs in the
malonate striatal lesion model**

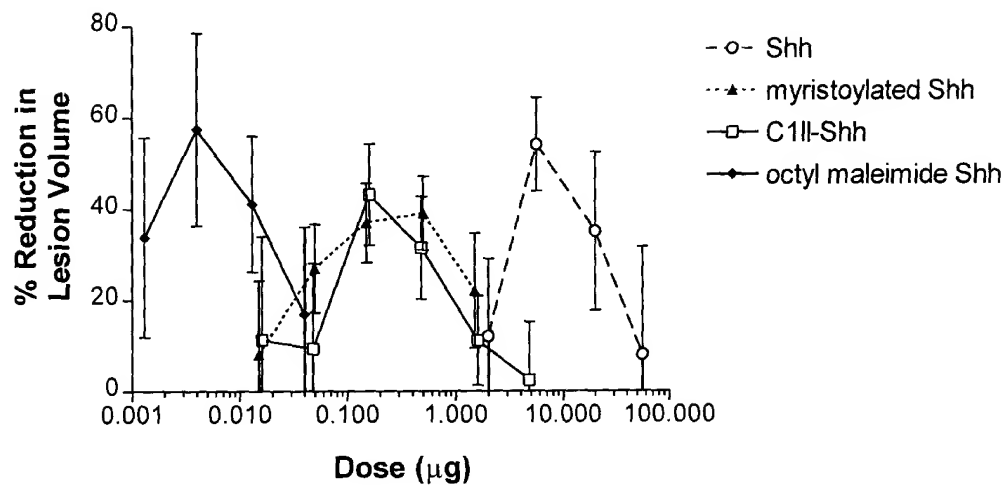


Figure ~~m~~ 18

Effect of pretreatment
with myristoylated Shh in
the malonate striatal
lesion model

